

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industr<sup>1</sup> sector, California, 2010

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construction	Manufacturing	Total service providing	Trade, transportation, and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Total.....	302	103	40	40	23	156	76	6	5	17	15	18	19
<b>Primary Source<sup>4</sup></b>													
Chemicals and chemical products.....	11	--	--	--	--	7	4	--	--	--	--	--	--
Chemical products--general.....	7	--	--	--	--	5	3	--	--	--	--	--	--
Drugs, alcohol, medicines.....	7	--	--	--	--	5	3	--	--	--	--	--	--
Drugs--nonmedicinal.....	4	--	--	--	--	3	3	--	--	--	--	--	--
Other chemicals.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Furniture and fixtures.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Other fixtures.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Lighting equipment.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	19	12	5	3	4	6	4	--	--	--	--	--	--
Construction, logging, and mining machinery.....	9	6	--	3	--	--	--	--	--	--	--	--	--
Logging and wood processing machinery--specialized.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Chippers.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Material handling machinery.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Elevators, aerial lifts.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Parts and materials.....	21	8	--	3	3	12	4	--	--	--	--	--	4
Building materials--solid elements.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Fasteners, connectors, ropes, ties.....	10	4	--	--	--	6	--	--	--	--	--	--	3
Ropes, ties, chains.....	9	3	--	--	--	6	--	--	--	--	--	--	3
Rope, twine, string.....	6	--	--	--	--	4	--	--	--	--	--	--	3
Machine, tool, and electric parts.....	6	--	--	--	--	3	--	--	--	--	--	--	--
Electric parts.....	5	--	--	--	--	3	--	--	--	--	--	--	--
Electric parts, n.e.c.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	9	4	--	--	--	3	--	--	--	--	--	--	--
Person--other than injured or ill worker.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Trees, logs.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Structures and surfaces.....	67	29	4	21	4	29	10	--	--	3	6	6	--
Floors, walkways, ground surfaces.....	63	28	4	20	4	26	9	--	--	3	6	5	--
Floors, walkways, ground surfaces, unspecified.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Floors.....	20	9	--	5	4	10	4	--	--	--	--	3	--
Floor of building.....	19	9	--	5	4	9	3	--	--	--	--	3	--
Ground.....	21	12	--	10	--	6	--	--	--	--	--	--	--
Sidewalks, paths, outdoor walkways.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Street, road.....	3	--	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industr<sup>1</sup> sector, California, 2010 - continued

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construc- tion	Manufac- turing	Total service providing	Trade, transporta- tion, and utilities	Informa- tion	Financial activities	Profes- sional and business services	Education and health services	Leisure and hospitality	Other services
Parking lots.....	8	--	--	--	--	5	--	--	--	--	--	--	--
Tools, instruments, and equipment.....	13	5	4	--	--	8	7	--	--	--	--	--	--
Handtools--nonpowered.....	10	3	--	--	--	7	6	--	--	--	--	--	--
Cutting handtools--nonpowered.....	4	--	--	--	--	4	3	--	--	--	--	--	--
Knives.....	3	--	--	--	--	3	3	--	--	--	--	--	--
Vehicles.....	104	33	18	7	8	53	26	3	--	4	5	9	4
Air vehicle.....	16	--	--	--	--	8	3	--	--	--	--	--	--
Aircraft--powered fixed wing.....	10	--	--	--	--	6	--	--	--	--	--	--	--
Propeller-driven aircraft.....	8	--	--	--	--	4	--	--	--	--	--	--	--
Aircraft--powered rotary wing.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Helicopter.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Highway vehicle, motorized.....	68	17	8	6	--	39	22	3	--	4	3	--	--
Automobile.....	12	--	--	--	--	6	3	--	--	--	--	--	--
Truck.....	39	13	6	6	--	21	18	--	--	--	--	--	--
Truck, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Dump truck.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Pickup truck.....	7	5	--	3	--	--	--	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	20	--	--	--	--	18	17	--	--	--	--	--	--
Truck, n.e.c.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Van--passenger or light delivery.....	12	--	--	--	--	8	--	3	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	14	12	9	--	--	--	--	--	--	--	--	--	--
Forklift.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Forklift, unspecified.....	3	3	--	--	--	--	--	--	--	--	--	--	--
Tractor.....	10	9	9	--	--	--	--	--	--	--	--	--	--
Other sources.....	52	8	4	3	--	35	17	--	--	--	--	3	9
Ammunition.....	40	3	--	--	--	29	15	--	--	--	--	3	6
Bullets.....	37	3	--	--	--	26	13	--	--	--	--	3	6
Atmospheric and environmental conditions.....	7	3	--	--	--	3	--	--	--	--	--	--	--
Fire, flame, smoke.....	5	--	--	--	--	3	--	--	--	--	--	--	--
Fire, flame.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Liquids.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Water.....	3	--	--	--	--	--	--	--	--	--	--	--	--
<b>Secondary Source<sup>5</sup></b>													
Chemicals and chemical products.....	8	6	--	--	--	--	--	--	--	--	--	--	--
Coal, natural gas, petroleum fuels and products, n.e.c.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Containers.....	4	3	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industr<sup>1</sup> sector, California, 2010 - continued

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construction	Manufacturing	Total service providing	Trade, transportation, and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Machinery.....	7	5	--	--	--	--	--	--	--	--	--	--	--
Material handling machinery.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Parts and materials.....	26	11	3	--	6	12	5	--	--	5	--	--	--
Machine, tool, and electric parts.....	18	6	--	--	--	9	4	--	--	3	--	--	--
Electric parts.....	18	6	--	--	--	9	4	--	--	3	--	--	--
Power lines, transformers, convertors.....	14	5	--	--	--	6	3	--	--	--	--	--	--
Vehicle and mobile equipment parts.....	5	4	--	--	--	--	--	--	--	--	--	--	--
Trailers.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	54	7	4	--	--	38	22	--	--	3	--	5	4
Person--other than injured or ill worker.....	38	--	--	--	--	30	19	--	--	--	--	4	4
Person--other than injured or ill worker, unspecified.....	12	--	--	--	--	10	5	--	--	--	--	--	3
Co-worker, former co-worker of injured or ill worker.....	4	--	--	--	--	4	3	--	--	--	--	--	--
Robber.....	12	--	--	--	--	11	9	--	--	--	--	--	--
Person--other than injured or ill worker, n.e.c.....	8	--	--	--	--	4	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	12	4	--	--	--	6	--	--	--	3	--	--	--
Trees, logs.....	11	4	--	--	--	6	--	--	--	3	--	--	--
Structures and surfaces.....	35	15	3	11	--	16	10	--	--	--	--	--	--
Floors, walkways, ground surfaces.....	7	--	--	--	--	4	3	--	--	--	--	--	--
Other structural elements.....	12	7	--	6	--	4	3	--	--	--	--	--	--
Roof.....	7	6	--	5	--	--	--	--	--	--	--	--	--
Structures.....	16	6	--	5	--	8	4	--	--	--	--	--	--
Buildings--office, plant, residential.....	4	--	--	--	--	4	--	--	--	--	--	--	--
Scaffolds, staging.....	5	5	--	5	--	--	--	--	--	--	--	--	--
Scaffolds--staging, unspecified.....	3	3	--	3	--	--	--	--	--	--	--	--	--
Other structures.....	6	--	--	--	--	3	3	--	--	--	--	--	--
Guardrails, road dividers.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Tools, instruments, and equipment.....	11	7	--	5	--	4	--	--	--	--	--	--	--
Ladders.....	9	6	--	4	--	3	--	--	--	--	--	--	--
Ladders, unspecified.....	4	4	--	3	--	--	--	--	--	--	--	--	--
Ladders--movable.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Vehicles.....	51	16	7	7	--	25	13	3	--	--	--	--	--
Highway vehicle, motorized.....	40	12	7	4	--	21	10	3	--	--	--	--	--
Automobile.....	7	--	--	--	--	5	--	--	--	--	--	--	--
Truck.....	31	11	6	4	--	15	10	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	16	5	3	--	--	9	8	--	--	--	--	--	--
Truck, n.e.c.....	11	4	--	--	--	5	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	5	3	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

**TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industry<sup>1</sup> sector, California, 2010 - continued**

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construction	Manufacturing	Total service providing	Trade, transportation, and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Forklift.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Forklift, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Other sources.....	8	4	3	--	--	4	4	--	--	--	--	--	--
Apparel and textiles.....	4	4	3	--	--	--	--	--	--	--	--	--	--
Clothing and shoes.....	4	4	3	--	--	--	--	--	--	--	--	--	--

<sup>1</sup> Industry data from 2003 to 2008 are classified using the 2002 North American Industry Classification System (NAICS). Industry data after 2008 are classified using the 2007 NAICS.

<sup>2</sup> Based on the BLS Occupational Injury and Illness Classification Manual.

<sup>3</sup> Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

<sup>4</sup> The primary source of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For most transportation incidents, the primary source identifies the vehicle in which the deceased was an occupant. For most falls, the primary source identifies the surface or object contacted

<sup>5</sup> The secondary source of injury, if any, identifies the object, substance, or person that generated the

source of injury or that contributed to the event or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "assailant" is the secondary source. For most falls, the secondary source identifies the equipment or surface from which the worker fell.

NOTE: Data for 2010 are preliminary. Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. N.e.c. means "not elsewhere classified." CFI fatal injury counts exclude illness-related deaths unless precipitated by an injury event.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries